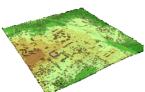# IGIC 2005 Annual Report
August 2005

Introduction

An information rich state helps make Indiana a more attractive place to live. Put that information on a map and you have a tool to build communities, identify areas in need, improve the environment, track trends, attract business, protect homes and citizens, and more. This technology is known as Geographic Information Systems (GIS).

Since 2001, the Indiana Geographic Information Council, Inc. (IGIC) has been the only organization in Indiana to provide statewide coordination of GIS. It is our mission to lead the effective application of GIS in Indiana for an improved quality of life.

Data being collected statewide as part of the IndianaMap

Example high-quality aerial photography and land elevation

IGIC acts primarily as a pooled technology resource, coordinating statewide GIS for Indiana governmental, educational, non-profits, private organizations and businesses. We provide education, policy guidance, and technology resources to hundreds of individuals and organizations annually. We lead major data and research initiatives such as the IndianaMap.

The IndianaMap is a statewide mapping and technology project to create information tools that will be beneficial to all Hoosiers. The IndianaMap enhances similar efforts on local levels and will be available to communities that previously could not afford computer mapping data. The IndianaMap will be available to meet the needs of public servants throughout government, researchers and students, businesses, and citizens.

What is GIS?

Whether talking about community development, land use, emergency management, economic development, or the environment, decision-makers at all levels field one question more than any other: How does that affect me?

Geographic Information Systems (GIS), a computer mapping and analysis tool, has made that question easy to answer and the answers easy to understand.

Maps produced by a GIS can depict many data sets or "layers" of information, one on top of the other, to visualize and analyze relationships.

Since 80% of all information has a geographic component, the power of GIS can be widely used to support decision-making and problem solving across all sectors - public, private, and not-for-profit.

As a 501(c)(3) tax-exempt organization, we are required to seek public support for the projects and partnerships we build and manage. We have been privileged to receive governmental, corporate and individual support in the form of grants, in-kind services, donations and collaborative arrangements. Over the last year, IGIC volunteers have collectively logged over 3,000 hours. As an indication of our visibility in the community, IGIC's web site receives over a 6-million hits per year (www.igic.org).

IGIC Works With Educators

Lake County Parks and Girl Scouts

The Huck Finn project began as a way to encourage kids' involvement in the 2005 digital mapping project. Through activities like Paint Your Schoolyard, schools and youth groups created giant artwork that was captured by the aerial photography. Since then, the project has grown to include other activities designed to spark interest in GIS. The Huck Finn site offers a wealth of resources for parents and educators, including lesson plans, links to interactive websites, and projects for school-age children.

It is IGIC's vision that all Indiana communities will be safer, healthier, wealthier and wiser because they are part of a robust statewide GIS infrastructure.

IGIC is fulfilling its mission and vision through coordination of Indiana GIS through:

- dissemination of data and data products
- education and outreach
- adoption of standards
- building partnerships
- the IndianaMap

This annual report documents our progress for the period August 2004 – August 2005.

IndianaMap
It's one map for Indiana - It's statewide, It's regional, It's local - It's yours!

The IndianaMap is a portfolio of projects designed to create a high-quality statewide base map, make it available and accessible to all, and educate on its use and benefits. It provides value by standardizing a GIS base map across the state, leveraging funding, providing cost-savings through bulk investments in data, and making GIS available to all areas of the state – large and small.

"The IndianaMap will enhance the safety and welfare of the citizens of Indiana, and will improve the cost effectiveness of local, state and federal government."

- Larry Stout, Hamilton County

The IndianaMap supports the information needs of homeland security/emergency management, economic development, environmental management, and the business of government. It is useful to all levels of government for applications such as property assessment, infrastructure management (GASB-34), voter registration, and drainage.

> "GIS was directly involved in Wal-Mart's decision to open a store [in Hammond], the development of our public golf course, and numerous efforts to support grant applications which have brought thousands of dollars into our community."
>
> — Rebecca McKinley, Hammond Sanitary District

Progress toward realizing the goals of the IndianaMap during 2005 has been significant and includes:

1. Implementation of a **Map Viewer**[1] that links Indiana's data to The National Map, making it part of a nationwide collection accessible from a single website
2. Implementation of the **Map Services**[2] **website**, offering open-standards web map services of our statewide framework data
3. The **Data Library**[3], Indiana's NSDI data clearinghouse to search for and find GIS data, is now available online
4. Significant progress has been made to identify Indiana's **Framework Data**[4], and make those datasets available online.

Projects and Grants

Realizing the IndianaMap: 2005 Statewide Orthophotography

Framework data are those data used by everyone and form a high-quality statewide GIS base map. The 2005 orthophotography and elevation model data are the centerpieces of our 2004-05 framework data efforts.

> "[Orthophotography gives] Wayne County and the State of Indiana an advantage in selling our industrial parks to interested developers."
>
> — Thomas Dickman, President Wayne County Commissioners
>
> "Orthophotography… stands to provide numerous and substantial benefits to local governments across the State of Indiana."
>
> — Dax Denton, Association of Indiana Counties

Work on this immense project began in summer 2004 with the development and release of the Request for Proposals for data acquisition. Since that time the project has been proceeding at a rapid pace. The entire state was flown in the spring and the pilot area delivered to program managers in June 2005. After review and corrections, the vendor is now in full-scale production, processing files for delivery.

> "… for the Hammond Sanitary district, this photography is a godsend."
>
> — Rebecca McKinley, Hammond Sanitary District
>
> "The old adage "A picture is worth a thousand words" is truly accurate when a team of City employees can [use] a large aerial map to plan a proposed bike route, proposed industrial park, or plan mowing schedules."
>
> — Matt Heineman, City of Elkhart Department of Public Works & Utilities

A separate contract for Quality Control/Quality Assurance and distribution was awarded in July of this year. This vendor will review each of the 70,000 tiles before delivery to the counties begins. We anticipate that all of the orthophotography files will

be delivered before December 31, 2005. Additional products will be received through early spring 2006. Workshops on using the orthophotography will be held throughout the fall and winter.

Tie Card Scanning Project

The Tie Card Scanning Project is a partnership between IGIC, the Indiana Society of Professional Land Surveyors, the Office of the State Geodetic Advisor, the County Surveyors Association and the private sector. Using a grant from the Central Indiana Community Foundation, IGIC purchased laptops and scanners to be checked out and used by County Surveyors to scan and rename their survey corner tie cards. The cards are being placed in a GIS map layer. Surveyors will be able to access these digital tie cards to locate Public Land Survey Section corners. The benefits of digital data include providing a redundant copy of the traditionally paper cards in case of catastrophic disaster like flood or fire.

Planning Grant

IGIC has been awarded a CAP (Cooperative Agreements Program) grant from the Federal Geographic Data Committee. It provides funding for a number of activities, including development of additional framework data plans and a business strategy for IGIC. Project work will begin in October.

Data Distribution Grant

A second CAP grant has been awarded to IGIC in partnership with Indiana University/University Information Technology Services. The grant funds the acquisition of super-computer equipment and coordination efforts for distribution of the IndianaMap statewide datasets, like the 2005 orthophotography. Project work for this grant began in August 2005.

Huck Finn Project

The Huck Finn Project celebrates youth though fun and creative learning experiences that kids can really "own." Through a series of lesson plans and activities, Indiana schools were invited to learn about art, geography, literature, math, science, government, history and their community while developing creative artworks captured in the IndianaMap.

Orthophotography-GPS Education

IndianaView, a program located at Purdue University, awarded a grant to IGIC and the Geographer's Education Network, Inc. (GENI). The project provided GIS packages to youth groups and educators that participated in the Huck Finn Project. The award packages include GPS units, orthophotography, viewing software, and lesson plans showing awardees how to use everything.

Education and Outreach

On-going IGIC activities which further GIS education include:

1. Monthly GIS Seminar Series and quarterly GIS Road Shows around the state covering wide a variety of topics for diverse audiences.

2. Two sets of 10 regional seminars were held around the state introducing the 2005 orthophotography project to our stakeholder communities.

3. Annual GIS Conference hosted over 325 attendees.

4. Production of 17 Indiana GIS "Real World" Success Stories, now available online.

5. Overhaul of IGIC website, which receives over half a million hits per month from more than 37,000 individuals. Revisions included updating both structure and content.

6. Major outreach initiatives including monthly Indiana GIS Initiative Newsletter, a series of GIS and IGIC flyers, and support of committee and public listservs.

2005 – 2006 Goals

IGIC's goals for the upcoming year include:

1. Execute IndianaMap Data Sharing Agreements and integrate additional local data for viewing on the IndianaMap (view-only, not downloadable).

2. Make accessible over 7 Terabytes of 2005 orthophotography and elevation model data through geodatabase and Web Map Services, as part of the IndianaMap.

3. Manage a successful 2006 annual conference.

4. Offer 10 seminars, at least 3 road shows, and at least 1 set of regional seminars on the IndianaMap.

5. In 2004, the National States' Geographic Information Council (NSGIC) released its "State Model for Coordination of Geographic Information Technology." IGIC will make at least 20% improvement toward meeting all nine of the NSGIC Coordination Criteria for our statewide coordinating council.

6. Develop a requirements assessment, standards, and implementation strategy for additional framework data categories. Our next focus is the transportation theme, which includes road centerline and address information for geocoding applications.

7. Develop a "GIS in Indiana" publication for a general audience that describes the IndianaMap and real-world GIS success stories from Indiana communities and organizations.

8. Get IndianaMap into the hands of planners, economic development professionals. public servants and the public through projects such as Indiana Map in a library near you - One map for government, one map for the environment, one map for economic development, one map for public safety

9. Develop and distribute tutorial for IndianaMap based on sectors/driving issues.

10. Using RAMONA, NSGIC's online survey tool, update the 2001 status map for Indiana GIS. Take these snapshots every five years.

11. Develop a business case and return on investment analysis.

Partnerships

IGIC has significant partnerships (MOU's in place or in progress) with the Indiana State Library, IUPUI University Library, Indiana Geological Survey, Indiana University UITS, and the U.S. Geological Survey. IGIC itself is a partnership of all the public and private entities that sit on the IGIC Board of Directors and participate in our committees and workgroups. IGIC participants log over 3,000 volunteer hours per year.

[1] Partnership with the US Geological Survey.

[2] Partnership with the Indiana Geological Survey.

[3] Partnership with IUPUI University Library.

[4] Partnership the State of Indiana Counter-Terrorism and Security Council and Indiana Department of Homeland Security and the IMAGIS consortium. On-line distribution is being developed in partnership with Indiana University – University Information Technology Services.

2005 IGIC Board of Directors

State Government

Ed Lutz
Indiana State Department of Health

Roger Koelpin
Indiana Technology Oversight Committee

County Government

Dax Denton
Association of Indiana Counties

Alex Wernher **(IGIC President)**
Allen County, Indiana

Municipal Government

Shaun Scholer
City of Richmond/Wayne County

Brian Gould
Indiana Association of Cities and Towns

Federal Government

Charles Hickman
U.S. Geological Survey

Lieutenant Colonel Jere Riggs
Military Department of Indiana

Education

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Indiana University Purdue University
Indianapolis, University Library

Anna Radue
Indiana University

Regional GIS Consortia

Jim Stout **(IGIC Vice President)**
Indianapolis Mapping and Geographic
Infrastructure System

Becky McKinley
Northwest Indiana GIS Forum

Regional Planning Commissions

Lisa R. Gehlhausen
Indiana 15 Regional Planning Commission

GIS Service Providers

Jeff Corns **(IGIC Treasurer)**
The Schneider Corporation

Kent Park
EarthData International, LLC

Private Industry

Lou Zickler
Zickler Associates, LLC

Clifford Ong
Krieg Devault, LLP

Not-For-Profit

Fiona Solkowski
The Nature Conservancy, Indiana Chapter

Bob Weaver
Hoosier Heartland / IN Assoc. of Soil and
Water Cons. Districts, Inc.

Utilities

Jerry King
Indianapolis Power and Light

John Thomas
City of Lafayette

Critical Infrastructure

Michael Machlan
City of Elkhart

George Toft
Cinergy

Surveyors

Richard Kemper
Kosciusko County Surveyor

Tom Mahon
Indiana Society of Professional Land
Surveyors

Members At Large

E.J. McNaughton **(IGIC Secretary)**
Indiana Department of Environmental
Management

Larry Stout **(IGIC Executive Committee Member At Large)**
Hamilton County

IGIC Executive Director

Jill Saligoe-Simmel, Ph.D.
Saligoe-Simmel, LLC

Financial Report: Profit and Loss

	Jan 2005	Feb 2005	Mar 2005	Apr 2005	May 2005	Jun 2005	Jul 2005	Aug 1-23, 2005	Total
Income									
Conference IGIC			5,000.00						5,000.00
Contracts	33,412.50								33,412.50
Grants	5,867.20		7,675.79	200,000.00		12,400.00		37,924.21	263,867.20
Non Profit Income								2,410.09	2,410.09
Total Income	$39,279.70	$ 0.00	$12,675.79	$200,000.00	$ 0.00	$12,400.00	$ 0.00	$ 40,334.30	$304,689.79
Expenses									
Commissions & Fees						8.16			8.16
Conference	163.66	225.00	741.79					375.00	1,505.45
Contract Labor	33,972.50		1,219.68	2,710.40		5,000.00			42,902.58
Dues & Subscriptions		1,000.00				500.00			1,500.00
Equipment Costs			5,856.92				2,088.90	321.19	8,267.01
Insurance						632.00		1,160.00	1,792.00
Legal & Professional Fees									0.00
Accounting						550.00			550.00
Payroll Service				82.15	60.30	60.30	60.30	66.30	329.35
Total Legal & Professional Fees	$ 0.00	$ 0.00	$ 0.00	$ 82.15	$ 60.30	$ 610.30	$ 60.30	$ 66.30	$ 879.35
Marketing						33.39		50.00	83.39
Hospitality					1,780.80	157.91			1,938.71
Recognition			550.00		150.00				700.00
Total Marketing	$ 0.00	$ 0.00	$ 550.00	$ 0.00	$ 1,930.80	$ 191.30	$ 0.00	$ 50.00	$ 2,722.10
Office Expenses		200.00				157.39		51.45	408.84
Outreach						117.27	40.50		157.77
Payroll									0.00
Salaries				1,080.33	2,160.66	2,160.65	2,158.05	2,158.04	9,717.73
Taxes				379.57	726.83	737.62	740.20	740.22	3,324.44
Total Payroll	$ 0.00	$ 0.00	$ 0.00	$ 1,459.90	$ 2,887.49	$ 2,898.27	$ 2,898.25	$ 2,898.26	$ 13,042.17
Projects				200,000.00					200,000.00
Software					182.60				182.60
Subcontracting			7,020.00			4,400.00			11,420.00
Telephone	19.20					13.30		21.60	54.10
Total Expenses	$34,155.36	$ 1,425.00	$15,388.39	$204,252.45	$ 5,061.19	$14,527.99	$ 5,087.95	$ 4,943.80	$284,842.13
Net Operating Income	$ 5,124.34	-$1,425.00	-$ 2,712.60	-$ 4,252.45	-$5,061.19	-$ 2,127.99	-$5,087.95	$ 35,390.50	$ 19,847.66
Net Income	$ 5,124.34	-$1,425.00	-$ 2,712.60	-$ 4,252.45	-$5,061.19	-$ 2,127.99	-$5,087.95	$ 35,390.50	$ 19,847.66

Financial Report: Balance Sheet (with Prior Year)

	Total		
	As of Aug 23, 2005		As of Aug 23, 2004 (PY)
ASSETS			
Current Assets			
Bank Accounts			
National City Bank	63,456.80		21,307.09
Total Bank Accounts	$	**63,456.80**	$ **21,307.09**
Accounts Receivable			
Accounts Receivable	-18.43		
Total Accounts Receivable	-$	**18.43**	$ **0.00**
Total Current Assets	$	**63,438.37**	$ **21,307.09**
Fixed Assets			
Equipment	1,283.00		
Total Fixed Assets	$	**1,283.00**	$ **0.00**
TOTAL ASSETS	$	**64,721.37**	$ **21,307.09**
LIABILITIES AND EQUITY			
Liabilities			
Current Liabilities			
Accounts Payable			
Accounts Payable	0.00		
Total Accounts Payable	$	**0.00**	$ **0.00**
Total Current Liabilities	$	**0.00**	$ **0.00**
Total Liabilities	$	**0.00**	$ **0.00**
Equity			
Retained Earnings	44,873.71		13,218.55
Net Income	19,847.66		8,088.54
Total Equity	$	**64,721.37**	$ **21,307.09**
TOTAL LIABILITIES AND EQUITY	$	**64,721.37**	$ **21,307.09**